ELC Earth Leakage Test Procedures

Procedure

Set-up

Prior to carrying out the following procedures, ensure the panel is electrically isolated.

1. In one of the lamp wire terminals, wire in an MCB/Switch and a 2K Ω resistor (power rating: 2W) in series, connected to an earth point inside the panel. For this example, Lamp 1 is being used (Lamp wires 301 & 302). Refer to the wiring connection image below.

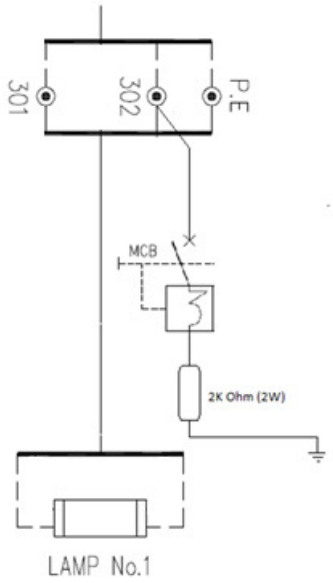

Image: Wiring connections to simulate ELR fault

Testing

1. Ensuring the MCB/switch is open, apply power to the panel.

2. To generate an Earth Leakage Fault, the MCB/Switch will require closing. This can either be carried out when the system is in stand-by (waiting to start), during start-up or in running.

3. To reset the fault, ensure the MCB/Switch is opened, and press Reset on the HMI Alarm Screen.

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